

### General information about springs

Manufactured springs are subject to tolerances. To provide uniform installation conditions on vehicle, the tolerances showing up during production of the springs are compensated with regard to spring length or installation height. To identify the various spring lengths, the springs are marked with paint at the final, lower end of coil. (Color marks in center of spring are inspection marks of manufacturer, they are of no significance with regard to length of spring). The part number and the DB company symbol are punched into each spring at end of final coil.

#### a) Front springs

On front springs the different spring lengths (installation heights) are identified by the following colors:

Model 123                      red = short spring

                                      blue = long spring

The various installation heights of the springs and the different axle loads resulting for the individual vehicle models and versions are compensated by the installation of rubber mounts of varying height (refer to tables „Adjustment of front springs”).

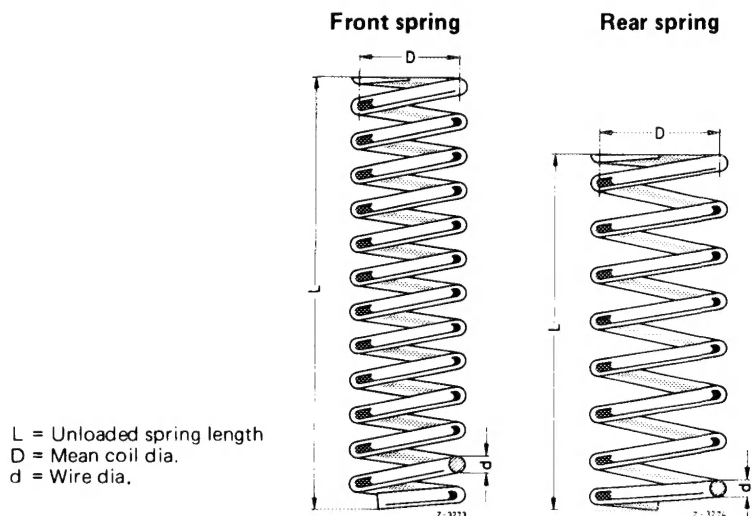
#### b) Rear springs

The color code on rear springs is the same as on front springs, therefore

model 123                      red = short spring

                                      blue = long spring

The various installation heights and rear axle loads are compensated by rubber mounts of varying height for the rear springs (refer to table „Adjustment of rear springs”).



### Test values

| Part no.             | Spring travel per 1000 N load | Wire dia. „d” | Unloaded spring length „L” |
|----------------------|-------------------------------|---------------|----------------------------|
| <b>Front springs</b> |                               |               |                            |
| 123 321 21 04        | 23.3                          | 14.75         | 447                        |
| 123 321 26 04        | 17.45                         | 16            | 442                        |
| 123 321 27 04        | 23.3                          | 15            | 463                        |
| 123 321 36 04        | 20.4                          | 15.41         | 453                        |
| 123 321 37 04        | 27                            | 14.3          | 460                        |

**Test values**

| Part no.      | Spring travel per 1000 N load | Wire dia. „d” | Unloaded spring length „L” |
|---------------|-------------------------------|---------------|----------------------------|
| 123 321 39 04 | 25                            | 14.7          | 460                        |
| 123 321 41 04 | 18.4                          | 15.8          | 450                        |
| 123 321 45 04 | 17.1                          | 16.2          | 450                        |

**Rear Springs**

|                             |       |       |       |
|-----------------------------|-------|-------|-------|
| 115 324 22 04               | 15.9  | 16.9  | 350   |
| 115 324 27 04               | 19.5  | 15.9  | 353   |
| 115 324 29 04               | 12.35 | 17.8  | 344   |
| 115 324 34 04 <sup>1)</sup> | 18.8  | 15.2  | 369   |
| 115 324 36 04 <sup>2)</sup> | 15.5  | 16    | 357   |
| 115 324 37 04 <sup>3)</sup> | 22.2  | 14.25 | 366   |
| 115 324 38 04 <sup>4)</sup> | 18.7  | 15.1  | 361   |
| 116 324 08 04               | 16.6  | 16.9  | 373.5 |
| 116 324 09 04               | 15.2  | 17.2  | 372.5 |
| 123 324 06 04               | 18.45 | 15.95 | 359   |
| 123 324 14 04               | 18.45 | 15.95 | 355   |
| 123 324 15 04               | 21.5  | 14.95 | 337   |
| 123 324 27 04               | 17    | 16.45 | 356   |
| 123 324 29 04               | 18.2  | 15.65 | 336   |
| 123 324 30 04               | 19.2  | 15.2  | 345   |
| 123 324 31 04               | 16.6  | 14.4  | 348   |
| 123 324 33 04               | 20.9  | 15.8  | 360   |
| 123 324 34 04               | 15.9  | 16.6  | 339   |
| 123 324 35 04               | 17.9  | 15.2  | 369   |
| 123 324 36 04               | 19.1  | 16    | 371   |
| 123 324 38 04               | 12.59 | 17.8  | 339   |
| 123 324 41 04               | 18.8  | 15.5  | 347   |

<sup>1)</sup> Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 00 20.

<sup>2)</sup> Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 01 20.

<sup>3)</sup> Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 02 20.

<sup>4)</sup> Spare parts scope of delivery with rubber hose slipped on lower coil runout 115 320 03 20.